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IB - 103/64
27 February 1964
Copy # 1

MEMORANDUM TO: Chief, Resources Division, ORR

25X1A ATTENTION : [REDACTED] R/CH
THROUGH : Chief, Requirements Branch, Reconnaissance Group, CGS
FROM : Chief, CIA/PID (NPIC)
SUBJECT : K'ai-yuan Chemical Plant, Yunnan Province
REFERENCES : (1) ORR Requirement RR/135/63
(2) CIA/PID Project C 767-63

1. This memorandum is in answer to your requirement which requested annotated enlargements of the Chemical Plant in K'ai-yuan, Yunnan Province, Communist China.

25X1C 2. In answer to your requirement two photographic enlargements of the
25X1C specified chemical plant are enclosed with this memorandum. The first graphic
(CIA/PID/IB-P-321/64) was obtained from [REDACTED] dated [REDACTED] 25X1C
and the second (CIA/PID/IB-P-322/64) from [REDACTED] date [REDACTED]
A complete analysis of this plant cannot be given at this time because the plant
is still under construction and its final products are not known. However, it
appears that this plant will produce nitrogenous fertilizers.

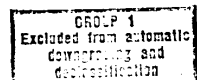
3. The northern portion of the plant contains a steam plant, a retort building, two gasometers, scrubbers and a contact oven. In this series of buildings and equipment hydrogen and nitrogen gas will be produced and stored in the eastern gasometer. This gas will then be pumped to the large monitor roof building, in which it will be compressed and synthesized into ammonia. The processes, thus far, are common to most nitrogenous fertilizer plants. The remaining installations at this plant are still under construction and therefore their identification is tentative. Part of the ammonia produced will be sent to the small building, SE of the compressor and synthesis building, to make nitric acid. The remaining ammonia will be used directly in the production of the fertilizers produced or will be stored. When this plant is compared to other fertilizer plants of a similar size, such as the plants located in Canton and Ch'u-Hsien, a sulfuric acid plant is normally found at the location of the large double-bay arch roofed building. Since the other facilities and the flow process at these plants appear similar, it is assumed that the sulfuric acid plant at this installation, will be located [REDACTED]

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25X1B

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SUBJECT: K'ai-yuan Chemical Plant, Yunnan Province

of this plant will vent the unusable gases produced. The apparatus to convey the pyrites, if pyrites are used as the source of sulfur, to the plant and to remove the waste and the roasters have not as yet been constructed. This equipment probably will be placed between the warehouses and the acid plant. The small, well ventilated building south of the possible acid plant is a possible finished product building. There is a conveyor leading from it to the warehouse adjacent to the railroad spur. A more accurate description can be given only after construction has been completed.

25X1A

4. The analyst on this project was [REDACTED] who may be contacted on extension 2546, should you have any questions concerning this project. This is considered a complete answer to your referenced requirement.

Enclosures:

2 Annotated Photographic Enlargements
(CIA/PID/IB-P-321/64 and 322/64)

[REDACTED]

25X1A

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LEGEND

1. Possible Carbon Dioxide Plant
2. Coal Storage & Processing
3. Power Plant
4. Nitric Acid Building
5. Gun-meter
6. Gas Compressor & Control Room
7. Final Gas Purification
8. Water Treatment Plant
9. Sulfuric Acid
10. Compressor & Synthesis Building
11. Possible Nitric Acid Building
12. Gun-meter
13. Possible Sulfuric Acid Plant
14. Possible Finished Product Building
15. Warehouse
16. U/I Storage

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KAL-YAN FERTILIZER PLANT
 25° 40' N 101° 15' E

CIA/PID/ID-
 P-301/04

02-10004-7
 25X1D





KWAI-TUAN FERTILIZER PLANT
100 100N - 100 10'E

CIA/PIC/IB-
P-500/6-

25X1D

